

Amendments to the Abstract

Please amend the Abstract of the Disclosure as follows:

The cryptographic method is used in transactions for which a first entity generates, by means of a private RSA key, a proof verifiable by a second entity by means of a public RSA key associated with said private key. The public key includes an exponent and a ~~module~~ modulus. The first entity generates a first element of proof by a calculation that can be performed independently of the transaction, and a second element of proof related to the first element of proof and which depends on a common number shared by the first and the second entities specifically for the transaction. The second entity verifies that the first element of proof is related, modulo the ~~module~~ modulus of the public key, to a power of a generic number, with an exponent equal to a linear combination of the common number and of a product of the exponent of the public key by the second element of proof.

A replacement Abstract is attached hereto on a separate sheet in accordance with 37 CFR 1.72.